

User manual
875300
HDMI 2.0 Switch 3/1



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Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

SURGE PROTECTION DEVICE RECOMMENDED

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Safety and Notice

- 1) **Servicing Personnel:** Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
 - 2) **Replacement parts:** When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.
 - 3) **Safety check:** After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.
 - 4) Do not substitute or use any other Power Supply other than the enclosed unit, or a TLS approved Replacement Part. Doing so will void the warranty and potentially expose the user to dangerous voltages resulting in an electrical shock.
 - 5) Do not disassemble the device for any reason. Doing so will void the manufacturer's warranty. Also, our unique case is an integral part of the design of this unit and is responsible for cooling and circuitry shielding. Any modifications to this case will potentially cause malfunction and product failure.
 - 6) Do not expose the device to water, moisture, or liquids. Possible electric shock may result as well as failure of the unit to operate.
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Introduction

This Model allows switching of three HDMI signals to one HDMI output. It supports HDMI 2.0, CEC and HDR10. IR remote control or switch button is used to choose the input source.

Application

1. Connect source devices with input ports of the switch by HDMI Cable.
2. Connect HDMI output port with TV or other HDMI sink devices by HDMI Cable.
3. Connect 5V POWER adaptor with DC power socket.
4. Power on

System Requirements

Input HDMI source equipment such as DVD/Blu-ray player, PC/Laptop

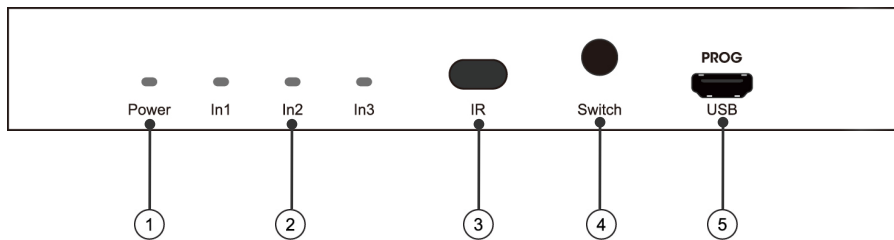
Equipped output display (TV, monitor, projector)

Features

- HDMI 2.0 version (Support 4K@60Hz YUV4:4:4)
 - Bandwidth upto 18Gbps
 - HDCP2.2/ HDCP1.4 , CEC
 - Support HDR10
 - Support 3xHDMI in, IR or switch button to choose source out
 - Micro USB interface for user to upgrade firmware
 - Keeps memory of the last power state when switch different HDMI channels
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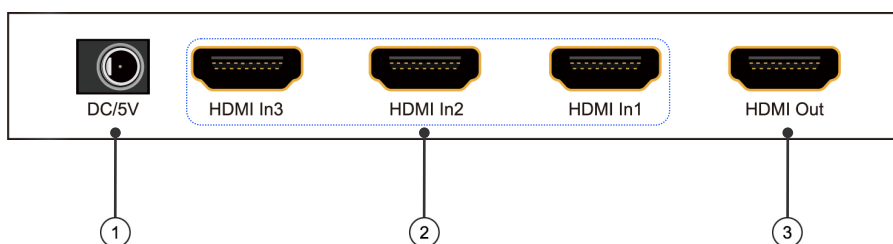
Panel Description

Front Panel



1. Power Led light
2. HDMI Input Led lights
3. IR receiver
4. Switch Button
5. Upgrade USB port

Rear Panel

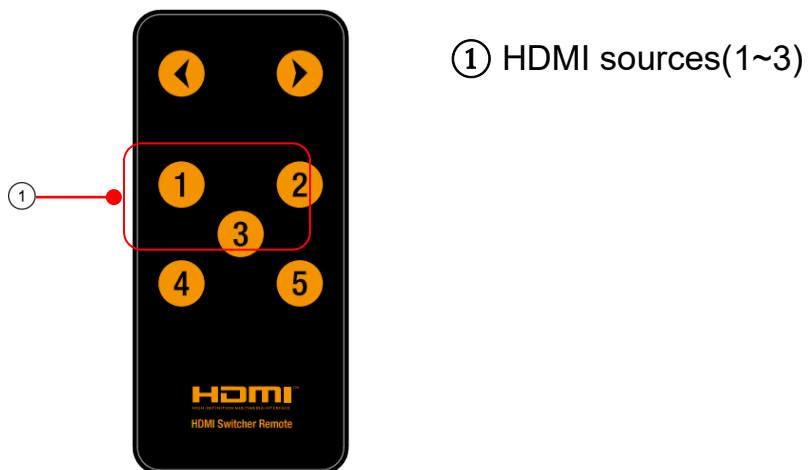


1. Power supply port
 2. HDMI input ports
 3. HDMI out port
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Connection Diagram



Remote Control Description



Specifications

Operating Temperature Range	-5 to +40°C(+23 to +104°F)
Operating Humidity Range	5 to 90%RH (No Condensation)
Power supply	5V
Minimum power (work under 480p60hz)	182mA
Maximum power (work under 4K2K/60hz)	277mA
Max resolution	4k@60hz YUV4:4:4
Function	HDR10 and CEC
HDMI version	HDMI 2.0
HDCP version	HDCP2.2 / HDCP1.4(Auto choose depend on TV version)
Control ways	Switch button and IR remote control
Distance	1080P 20m, 4k@30hz 10m, 4k@60hz under HDR can support 3m
Dimensions(LxWxH)	125x64.2x17mm

Package Contents

- 1) 1x HDMI Switch
 - 2) 1x 5V DC power adapter
 - 3) 1x User manual
 - 4) 1x IR Remote controller
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Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

Warranty Policy

TLSAV products are warranted against defects in material and workmanship for two years from the date of shipment. During the warranty period, TLSAV will, at its option, repair or replace products that prove to be defective. Repairs are warranted for the remainder of the original warranty or a 90 day extended warranty, whichever is longer.

For equipment under warranty, the owner is responsible for freight to TLSAV and all related customs, taxes, tariffs, insurance, etc. TLSAV is responsible for the freight charges only for return of the equipment from the factory to the owner. TLSAV will return the equipment by the same method (i.e., Air, Express, Surface) as the equipment was sent to TLSAV .

All equipment returned for warranty repair must have a valid RMA number issued prior to return and be marked clearly on the return packaging. TLSAV strongly recommends all equipment be returned in its original packaging. TLSAV obligations under this warranty are limited to repair or replacement of failed parts, and the return shipment to the buyer of the repaired or replaced parts.

Limitations of Warranty

The warranty does not apply to any part of a product that has been installed, altered, repaired, or misused in any way that, in the opinion of TLSAV , would affect the reliability or detracts from the performance of any part of the product, or is damaged as the result of use in a way or with equipment that had not been previously approved by TLSAV . The warranty does not apply to any product or parts thereof where the serial number or the serial number of any of its parts has been altered, defaced, or removed.

The warranty does not cover damage or loss incurred in transportation of the product. The warranty does not cover replacement or repair necessitated by loss or damage from any cause beyond the control of TLSAV , such as lightning or other natural and weather related events or wartime environments.

The warranty does not cover any labor involved in the removal and or reinstallation of warranted equipment or parts on site, or any labor required to diagnose the necessity for repair or replacement.

The warranty excludes any responsibility by TLSAV for incidental or consequential damages arising from the use of the equipment or products, or for any inability to use them either separate from or in combination with any other equipment or products. A fixed charge established for each product will be imposed for all equipment returned for warranty repair where TLSAV cannot identify the cause of the reported failure.

Exclusive Remedies

TLSAV 's warranty, as stated is in lieu of all other warranties, expressed, implied, or statutory, including those of merchantability and fitness for a particular purpose. The buyer shall pass on to any purchaser, lessee, or other user of TLSAV 's products, the aforementioned warranty, and shall indemnify and hold harmless TLSAV from any claims or liability of such purchaser, lessee, or user based upon allegations that the buyer, its agents, or employees have made additional warranties or representations as to product

preference or use. The remedies provided herein are the buyer's sole and exclusive remedies. TLSAV shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory.

RMA Policy

When returning product to TLSAV for any reason, the customer should fill out the official RMA form to obtain a RMA number. Without the permission or approval, TLSAV will be no responsible for any return. This can be initiated by emailing or calling your related sales.

All requests are processed within 48 hours.

Standard Replacement

For customers that agree to return defective product to TLSAV first, a Standard Replacement option is available.

An RMA number must first be issued by sales. This RMA number will need to be referenced on the outside of the return shipment.

Upon receipt of the defective product, TLSAV will, at its discretion, either repair or replace the product and ship it out in the most expeditious manner possible. Subject to availability, the replacement product will be shipped on the business day following receipt of the defective product.

In the event the product returned to TLSAV has been discontinued (i.e. the product is no longer being manufactured by TLSAV but is still under warranty), TLSAV will, at its discretion, either repair or replace with recertified product.

Once you have obtained an RMA number

After obtaining an RMA number from TLSAV , you must send the product - freight prepaid - to TLSAV . The TLSAV RMA number must be prominently displayed on the outside of your package. If you send your product to TLSAV without the RMA number prominently displayed on the outside of the package, it will be returned to you unopened.

Please use a shipping company that can demonstrate proof of delivery. TLSAV does not accept responsibility for any lost shipments unless proof of delivery to TLSAV is provided.

Please note:

Product shipped to TLSAV must be properly packaged to prevent loss or damage in transit.

Shipping your RMA to TLSAV using regular mailing envelopes is not acceptable, as they do not protect the product from damage during shipping.

TLSAV will not repair or replace a module that is shipped in such a way that the product is not properly protected. TLSAV will not accept any product that has been damaged as a result of accident, abuse, misuse, natural or personal disaster, or any unauthorized disassemble, repair or modification.

Warranty

Warranty time is two year and from the date of original shipment. This warranty shall be void if a serial number has been removed from the product.

Upon determination of a legitimate defect covered by this warranty and at TLS sole discretion, user should bear the transport cost during the warranty.

If product is out of warranty then repair charge is required. Minimum repair charge: 10% of the retail price plus the cost of failed components. We will repair the failed product after repair cost has been approved by Customers and proper financial arrangements are made. Customer must cover round trip shipment expenses.

Return and RMA Policies

Shipments will not be receiver and processed for warranty repair/replacement without an TLSAV RMA(Return Materials Authorization).